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JAMECO® ELECTRONICS

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Model BDM40

4½ Digit Display, True RMS, Benchtop DMM

- *AC and DC Voltage, Current, Resistance, and Diode Test*
- *High Accuracy, Basic VDC 0.03%*
- *2A Fused and 20A Range*
- *Easy-to-read, 0.5 Inch LED Display*

Bench testing of voltage, ohms, and amps is easy and precise with Wavetek's new BDM40.

This 4½ digit (20,000 counts) digital multimeter features true RMS (AC or AC+DC coupling) measurement capabilities to assure accuracy regardless of the types of waveforms.

The BDM40 features high resolution at a low cost, which makes it ideal for production test, QA test, depot service, and university and school labs.

Measurement capabilities include voltage from 10µV to 1200VDC and to 1000VAC, current from 10µA to 20A, and resistance from 10mΩ to 20MΩ. Diode test is provided on the 2kΩ range.

The interlocking push buttons on the front panel provide easy selection of functions and ranges. Bold labels on the input jacks increase visibility and offer an added safety, as does the fully fused 2A jack.

The BDM40's full 360° adjustable tilt bail and LED display maximize readability for most any bench application. Each meter comes with standard test leads, power cord, and operator's manual. A full line of optional probes, current clamps, and test leads is available to meet your application needs.

BDM40 Specifications *(at 23°C ±5°C; <70% R.H.)*

DC & AC Voltage	
DC Ranges	200mV, 2V, 20V, 200V, 1200V
Accuracy	±0.03% rdg ±4 dgt
AC Ranges	200mV, 2V, 20V, 200V, 1000V
Accuracy	
45Hz-2kHz	±0.5% rdg ±15 dgt
2kHz-10kHz	±1.0% rdg ±15 dgt
10kHz-20kHz	±2.0% rdg ±15 dgt
20kHz-50kHz	±5.0% rdg ±30 dgt
45Hz-1kHz (1000V)	±0.5% rdg ±15dgt
AC Conversion Type	True RMS
Crest Factor	1:1 to 1:3 full scale
Max. Resolution	10µV
Input Impedance	
DC	10MΩ
AC	10MΩ shunted by 10pF

DC & AC Current	
DC & AC Ranges	200µA, 2mA, 20mA, 200mA, 2A, 20A
DC Accuracy	
200µA, 2mA, 20mA, 200mA	±0.2% rdg ±2 dgt
2A, 20A	±0.3% rdg ±2 dgt
AC Accuracy	
200µA, 2mA, 20mA, 200mA:	
45Hz-2kHz	±0.5% rdg ±15 dgt
2kHz-10kHz	±1.0% rdg ±15 dgt
10kHz-20kHz	±2.0% rdg ±15 dgt
2A, 20A: 45Hz-2kHz	±0.5% rdg ±15 dgt
Resistance	
Ranges	200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ
Accuracy	
200Ω	±0.1% rdg ±4 dgt
2kΩ, 20kΩ, 200kΩ, 2MΩ	±0.1% rdg ±2 dgt
20MΩ	±0.25% rdg ±2 dgt
Diode Test	On 2kΩ range

OVERLOAD PROTECTION

Voltage (AC & DC): 1200VDC or peak AC Continuous (<10 seconds in 200mV and 2V Ranges). **Current (AC & DC):** 2A@250V. **Resistance: 250V** DC/AC RMS on all ranges.

GENERAL

Display: 4½ digit, 0.5"H (12.7mm), red LED ; **Update Speed**: 2rdg/sec.; **Power**: 117VAC ±10% or 234VAC ±10%, 50/60 Hz; **Operating Temperature**: 0-50°C (32-122°F); Size: 3.1" x 9" x 13" (7.9cm x 23cm x 33cm); **Weight**: 4.7 lb. (2.2kg); **Warranty**: One year